

I. Fill in the blanks:

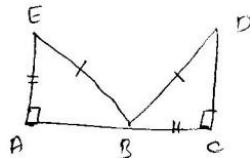
5x1=5

1. If two line segments have the same length, they are \_\_\_\_.
2. If figure  $F_1$  is congruent to figure  $F_2$ , we write \_\_\_\_.
3. Under \_\_\_\_ correspondence, two triangles are congruent if the three sides of the one are equal to the three corresponding sides of the other.
4. Two triangles with equal \_\_\_\_ need not be congruent.
5. If  $\triangle DEF \cong \triangle BCA$ , write the part of  $\triangle BCA$  that correspond to  $\angle E =$  \_\_\_\_.

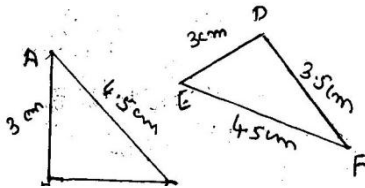
II. Answer the following:

5x3=15

6. Give any two real-life examples for congruent shapes.
7. Write the properties of SAS congruence criterion.
8. Identify the congruence criterion and give reasons. For the following figure.



9. Examine whether the given triangles are congruent or not



10. In the following figure, show that  $\triangle PSQ = \triangle PSR$ . Give reasons.

